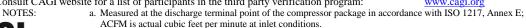


COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Variable Frequency Drive

Manufacturer: Hertz Kompressoren		
Model Number: IMPETUS VSD 45	Date:	12.18.23
Air-cooled X Water-cooled	Type:	Screw
X Oil-injected Oil-free	# of Stages:	2
Rated Operating Pressure	150	psig ^b
Drive Motor Nominal Rating	60	hp
Drive Motor Nominal Efficiency	96,5	percent
Fan Motor Nominal Rating (if applicable)	N/A	hp
Fan Motor Nominal Efficiency	N/A	percent
Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
52,2 Max	250,0	20,88
44,4	225,3	19,70
37,5	179,4	20,89
30,6	145,8	20,95
24,8	104,2	23,77
20,9 Min	72,7	28,75
Total Package Input Power at Zero Flow ^{c, d}	6,4	kW
Isentropic Efficiency	79,2	Percent
Note: Graph is only a visual repr	resentation of the data in Section	
	Air-cooled X Oil-injected Oil-free Rated Operating Pressure Drive Motor Nominal Rating Drive Motor Nominal Efficiency Fan Motor Nominal Efficiency Input Power (kW) 52,2 Max 44,4 37,5 30,6 24,8 20,9 Min Total Package Input Power at Zero Flow ^{c, d} Isentropic Efficiency Input Power at Zero Flow Control of Street C	Air-cooled X Water-cooled Type: X Oil-injected Oil-free # of Stages: Rated Operating Pressure 150

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



- ACFM is actual cubic feet per minute at inlet conditions.
 b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member

Vo	lume Flow Rate		Specific Energy	
at sp	ecified conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
$\underline{\mathbf{m}^3 / \mathbf{min}}$	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

OT 031.1

2/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.